

CD  
cont.

charged particles as oppositely charged layers on said dielectric substrate thus forming a built-up deposit.

D2

32. (Amended) The method according to claim 34, wherein said ion emitter comprises a silent electric discharge device.

33. (Amended) The method according to claim 34, wherein said ion emitter comprises an ion radiation source.

34. (Amended) A method for depositing particles onto a dielectric substrate comprising the steps of forming an aerosol of said particles in a first region; transporting the resulting aerosol to a second region, and applying a charge on said aerosol particles in said second region, positioning said charged aerosol particles in a deposition zone located in said second region proximate to said dielectric substrate, and applying an alternating electric field formed in said deposition zone between a first electrode positioned in said second region and a second electrode positioned underlying and in contact with said dielectric substrate whereby said charged particles are removed from the aerosol and deposited as oppositely charged layers on said dielectric substrate thus forming a built-up deposit, wherein said aerosol particles are charged by an ion emitter.

D3

48. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, with said aerosol essentially stationary in said second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby to drive said particles from the aerosol and deposit said charged particles as a built-up

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D<sup>3</sup>  
cont.

deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode.

D<sup>4</sup>

52. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said particles comprise a pharmaceutical.

53. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said aerosol carrier is nitrogen gas.

54. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said substrate opposite said underlying electrode, wherein said dielectric substrate comprises a blister pack.

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DH  
cont.

55. (Thrice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said substrate comprises an electrically insulating material.

56. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said substrate is comprised of an electrically conducting material.

57. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said electrically charging means employs a corona wire or corona emitting points.

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60. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said electrically charging means includes triboelectric charging of said aerosol particles or induction charging of said aerosol particles.


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63. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said aerosol particles are charged within said deposition region.


64. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein said electrically alternating field has a magnitude between about 1 kV/cm and about 30 kV/cm.

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67. (Twice Amended) The method according to claim 64, wherein said electrically alternating field is formed between a first electrode positioned at one side of said deposition region opposite and facing said dielectric substrate and a second electrode contiguous to said dielectric substrate.



69. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein the pattern of deposited material is defined by an electrically conducting mask disposed adjacent said charging means.

70. (Twice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an alternating electric field between an electrode underlying said dielectric substrate and said aerosol particles in said second region whereby said particles are deposited as a built-up deposit of oppositely charged layers on the surface of said dielectric substrate opposite said underlying electrode, wherein the aerosol particle mass flow is monitored whereby the mass of deposited particles is controlled.

71. (Thrice Amended) A method for depositing particles onto a surface of a dielectric substrate that comprises forming an aerosol of said particles in a first region, moving said aerosol to a second region, electrically charging said particles in said second region, and providing an